June 10, 1963

U. S. Government
Washington, D. C.

STATINTL ATT: [redacted]

SUBJECT: Proposal for preliminary development and fabrication of Chip Cutter-Viewer in accordance with Spec. #101 dated March 26, 1963 and Proposed Specification for Chip Cutter-Viewer [redacted] dated STATINTL June 10, 1963

Gentlemen:

We are pleased to submit our proposal to perform preliminary development and fabrication of a Chip Cutter-Viewer unit as described in the referenced specifications.

The scope of the proposed work is to be limited to proving the feasibility of the cutter head mechanism; the azimuth setting and adjustment; evaluation of die design and materials; and some aspects of the film handling problem. It is not the intent of this proposal to furnish a finished piece of equipment, but rather to provide the basis for a sound design for equipment to be proposed subsequent to successful completion of these studies.

The unit proposed would include the male and female die sections mounted on a suitable frame having 12" minimum depth of throat from the centerline of the die, and having contained the azimuth indexing and locking means. The proposed unit would have manual actuating means for cutting chips from test films and elementary means for illumination of the chip area and removal of the chip from the die. This unit would provide the basis for evaluation of future design proposals and lead to solutions for the primary problems of the final design.

STATINTL

We estimate the cost for this work, performed under the terms and conditions of

[redacted]

We estimate that this work can be completed in 12 weeks from date of authorization.

We trust the above information is satisfactory. If further information is required, please advise.

STATINTL

Very truly yours,

[redacted]

June 10, 1963

PROPOSED SPECIFICATION FOR CHIP CUTTER-VIEWER.

STATINTL

[redacted] proposes to design and fabricate the Chip Cutter-Viewer in accordance with customer specification #101, dated March 26, 1963 except as follows:

1. No change
1.1 No change
1.2 No change
1.3 No change
2. No change
2.1 No change
2.2 No change
2.3 No change
2.4 No change
2.5 No change
2.6 No change
2.6.1 No change
2.6.2 No change
2.6.2.1 See 2.6.2.1 below
2.6.2.2 See 2.6.2.2 below
2.6.2.3 See 2.6.2.3 below

2.6.2.1 Die Cutter Illumination and Removal of Chips. The female section of the die will be located in the upper arm section above the film plane. The male section of the die will be located in the lower arm below the film plane and will be actuated by a manually operated ball screw mechanism. The chip will be pushed upward through the female die and can be removed from the die with a vacuum wand or air ejector. A lamp will be provided in the male die to provide sufficient illumination to permit inspection of the chip location prior to cutting if desired. The primary positioning of the film in the dies will be controlled by the index movement from the target stage to the dies.

2.6.2.4 See 2.6.2.2 below

2.6.2.2 Magnifier. A 2X magnifier is to be provided on an arm over the target stage to aid in accurate location of the image framing and azimuth positioning.

2.6.3 No change
2.6.3.1 No change
2.6.3.2 No change

2.6.3.3 Support Base. The support base shall be of a type to adequately support the entire cutter-viewer assembly. Its height shall be such as to provide a working height of 34 inches at the top surface of the light table. The support base shall have suitable casters with wheel and swivel lock on at least two casters for stabilizing the cutter-viewer in use.



2.6.4 No change 3.1 No change 3.3 No change 4. No change
3. No change 3.2 No change 3.4 No change